

Army CIO/G-6 Overview



LTG Robert Ferrell
ARMY, CHIEF INFORMATION OFFICER/G-6





Agenda



- The Army CIO/G-6 Roles
- Core Mission Sets
- Responsibilities (Statutory and General Order)
- The Organization
- Staying Connected with the Army CIO/G-6





CIO Role and G6 Role



HON John McHugh
Secretary of the Army



LTG Robert Ferrell
Army, CIO/G-6



GEN Raymond Odierno
Chief of Staff of the Army

- Report Directly to the Secretary
- Set the Strategic Direction and Objectives for the Army Network
- Supervise all Army C4 and IT Functions
- Oversee the Army's \$10B IT Investments
- Manage Enterprise IT Architecture
- Establish and Enforces IT Policies
- Directs Delivery of Operational C4IT Capabilities to Support Warfighting and Business Requirements
- Assess and Ensure Compliance of all IT and National Security Systems

- Advise the Chief of Staff on Planning, Fielding, and Execution of Worldwide C4IT in Support of Army Operations
- Develop and Execute the Army's Network Strategy, Architecture, and Implementation Plan for the Global Enterprise Network
- Implement Army Information Assurance Activities
- Supervise C4IT, Signal Support, Information Security, Force Structure and Equipping Activities in Support of Warfighting Operations
- Oversee Management of the Signal Forces



Army CIO/G-6 Core Mission Sets



Information Resource Management

- Responsible for **Information Management Functions** Under Title 10 – Primary Duty is Information Resource Manager Under Title 40
- Ensures **Information Resource Mgt Operations & Decisions are Integrated** with Organizational Planning, Budget, & Financial Management, Human Resources Management, and Program Decisions Under Title 44

IT Policy

- Establishes **Overarching IT Policies** and CIO Functions Under Titles 10, 40, and 44 (Army Regulation 25-1)
- Establishes Policies for Managing the **Army Information Assurance Program** (Army Regulation 25-2)

Technical Architecture

- Develop, Maintain & Facilitate Implementation of **a Sound, Secure and Integrated Architecture** Under Title 40



Army CIO/G-6 Core Mission Sets



IT Governance

- Reviews **IT Resource Requirements** and Makes **Program Development and Resource Allocation Recommendations** as Co-Chair of the IT General Officer Steering Council
- **Ensures Compliance and Standardization** of IT Standards Throughout the Army

Information Protection and Cyber Security

- Complies with **Information Security Standards** Promulgated by OMB Under Title 40 and Those Directed by the President for National Security Systems Under Title 44
- Provides **Information Security Protections** Commensurate with Risk for Army Information and Information Systems Under Title 44

Network and Signal Operations

- As the **Army G-6, Advises CSA** on Information and Signal Ops; Networks; Communications Security; Force Structure, Equipping & Employment of Signal Forces; and **Oversees the Army Spectrum Management Program**



CIO Secretariat Functions



Public Law

- **Responsible for IM Functions** [10 USC, Sec 3014(c)(1)(D)] – Primary Duty is **Info Resource Mgr** [40 USC, Sec 11315]
- Ensure IRM operations & decisions are **integrated with organizational planning, budget, & financial management, human resources management, and program decisions** [44 USC, Sec 3506]
- **Review budget requests for all IT and NSS** [10 USC, Sec 31 § 2223]
- Provide (in concert w/FM&C) consultation to SA for policies & procedures that **provide program performance data for financial reporting** [40 USC, Sec 11316]
- Develop a **full and accurate accounting** (in concert w/FM&C) of IT expenditures, related expenditures & results [44 USC, Sec 3506]
- Develop and maintain a **strategic IRM plan** to include a full and accurate accounting of information technology expenditures [USC 44, Sec 3506]
- Ensure **IT is acquired & Info resources are managed** IAW 44 USC, Chapter 36 [40 USC, Sec 11315]
- Develop, maintain & facilitate implementation of a sound, secure and **Integrated Architecture** [40 USC, Sec 11315]
- Assist Office of Egov in ID, **development & coordination of multiagency projects & other innovative initiatives** to improve Gov performance through the use of IT [44 USC, Sec 3601]
- **Monitor and evaluate** the performance of information technology programs and **advise whether to continue, modify, or terminate a program or project**
- Comply with **information security standards** promulgated by OMB under 40 USC, Sec 11331 and those directed by the President for NSS [44 USC, Sec 3534]
- Provide **Info Sec protections** commensurate w/risk for Army information & Info Systems [44 USC, Sec 3534]
- Carry out powers functions & duties of SA with regard to implementation **IT workforce development** [44 USC, Sec 3501 § 209]
- **Cyber/IA Personnel Certification Program** [FISMA-OMB]

Chief Information Officer

As the Army Chief Information Officer (CIO), report directly to the **Secretary of the Army** for setting the strategic direction, objectives, and supervising all Army C4 and IT functions.

- ★ Validate C4IT requirements & prioritization of individual programs...in consultation with G-3/5/7, subject to the oversight & review, and approval of ASA (FM&C) [SA, 19 Mar 96]
- ★ Validate the requirements & priorities for the development of IM systems and oversee the appropriate resourcing of individual programs by the functional proponents [SA, 20 Mar 96]
- ★ Confirm appropriate investment levels to achieve the individual requirements within the context of the overall IM Strategy [SA, 26 Aug 96]
- ★ Functions:
 - General Support (procurement regulations & laws)
 - Strategic Planning
 - Programming
 - Acquisition
 - Business Process Reengineering (BPR) – Technical Review & Approval
 - Develop Performance Measurements – Functional Proponents, PEOs/PMs use for management of C4IT systems; CIO monitors performance
 - Capital IT Investment Planning/Budgeting
 - CP34 Functional Chief - Training & Education
 - Records Management, Privacy Act and FISMA
 - Technical, Systems and Enterprise Architecture
 - C4IT Modernization Programs
 - Army IT Investment Strategy
 - Manpower Affordability Reviews
 - CP34 Functional Chief
 - Information Security



ARSTAF G-6 Functions



General Orders 2012-01

- **Serve as the Army CIO** and Chair of CIO Executive Board
- Develop, coordinate & implementation **C4IM capital planning & investment strategy for the enterprise** (includes investment policies, oversight & control) and the planning, programming, budgeting & execution of all C4IT resources
- **Serve as the Army G-6 and advise CSA on** Info and Signal Ops, networks, COMSEC, force structure, equipping & employment of Signal Forces
- Provide ARSTAF **G-6 operational staff assessments & analysis & programming impact on Signal & network ops**
- Develop **policy and guidance** on IM, C4IT and Visual Information
- Develop policy, provide oversight and program direction for **Army Electronics Business Program**
- **Advise and assist ASA(ALT) on** all matters relating to the **acquisition of C4IT**
- **Provide CIO assessment** of NSS and IT Systems as defined in 40 USC **and certification** of Clinger-Cohen Act Compliance
- Develop policy & provide **oversight for Army IA** and provide centralized program management for Army's IS Security Program
- Provide policy, guidance & **oversight of PKI, CAC**, and other enabling technologies
- Develop, coordinate & implement **Army Knowledge Management, Enterprise Architecture, Enterprise Infostructure** and the **Army Enterprise Portal**
- Develop policy and provide oversight of **Army Spectrum Mgt Program**; provide spectrum certification of spectrum dependent acquisition capabilities and programs
- Provide **guidance and validation of business process initiatives and programs with C4IT impact**
- Develop & implement a **C4IM human capital planning strategy & program (CP34)**

G-6

As the Army G-6, support the **Army Chief of Staff** and Army Staff to ensure the execution of the Army Signal/G-6 function, including advising on the effects of IM, IT and communications issues on warfighting capabilities and providing support to current and future force capabilities.


- Advise the CSA and ARSTAF on all operational matters concerning planning, fielding, execution and proponentcy for world/wide C4IT support during peacetime, crises, contingencies and war
- Formulate and defend resources necessary provide C4IT capabilities to the Warfighter; translate C4IT requirements into dollars; and provide that necessary operational perspective
- Oversee the management of the operating force for the G6
- Review & assess all army Force Design Updates (FDU's) to determine relevancy of signal and communications support along with advising on the shaping of signal cops force structure
- Integrate the CIO/G-6 activities in support of warfighting operations
- Functions:
 - Warfighting C4IT Program Reviews
 - Total Army Analysis (TAA) Review & Assessments Impacting Signal Force Structure
 - Provide operational expertise in capabilities, employment, and sustainment of Army and Joint strategic, operational and tactical C4IT, combined IS architectures, and COOP IT planning, programming, and implementation
 - Provide C4IT expertise to Army Special Access Programs (SAP) and Homeland Security
 - Synchronizes C4 IT and signal issues across the ARSTAF
 - Provide daily updates on Operations in support of the CSA and Army Operations Center
 - Provide the C4IT input to the Army 's Strategic Plan



Army CIO/G-6 Task Organization



 <p>CIO / G-6 ☆☆☆ LTG Robert Ferrell</p>	 <p>Deputy, CIO / G-6 Mr. Gary Wang, SES</p>	 <p>SGM Earl Allen G6 SGM</p>	 <p>CW5 Rick Piña CTO and Sr Technical Advisor</p>
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Architecture, Operations, Networks & Space ☆

- LandWarNet Architecture
- Develops the Enterprise Architecture
- Current Operations for OCO
- Guides Enterprise Information Environment


BG Randy Taylor



Cyber Security 🏆

- Army Cyber Strategy
- Information Assurance
- Cyber Emerging Technologies / R&D
- Testing, Evaluation, & Certification


Ms. Essye B. Miller, SES



Policy and Resources 🏆

- Oversees Major IM / IT Programs in Policy & Governance
- Resource Integration
- Policy Compliance
- Career Program Management
- Enterprise Services Management

Mr. Dean Pfofzter, SES



NETCOM ☆☆

- DRU via 2nd Army
- DoDIN Operations
- Defensive Cyber Ops- Internal Defense Measures

MG John Morrison

Mr. Daniel Bradford, SES

CSM Stephon Watson




CIO/G-6 Special Staff

- Aligns CIO/G-6 Strategic Goals & Drives Strategy Implementation
- Enterprise Services Management
- Strategic Communications & Congressional Affairs
- Support Services, Human Resources & Contracting

HR/MSD
Ms. Marche Coleman



SIG/StratComm
COL Jim Turinetti



PEO Enterprise Information Systems 🏆

Develops, Acquires, Integrates, Deploys & Sustains:

- Knowledge-Based Information Technology
- Business Management Systems
- Infrastructure

Mr. Doug Wiltzie, SES

..... DRU --- Coordination



CIO/G-6 Vision, Mission & Goals



Vision:

A Seamless, Standards-Based, Secure Environment that Ensures Global Access and Enables Collaboration at the Point of Need

Mission:

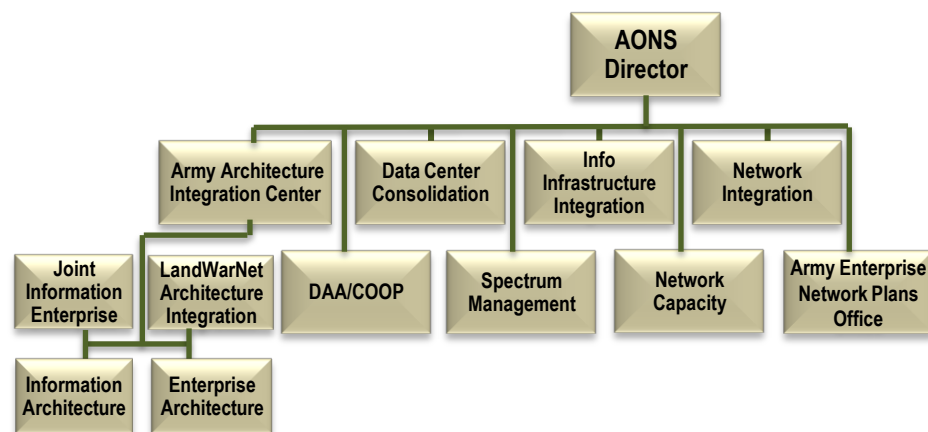
Lead Army Network Modernization to Deliver Timely, Trusted, and Shared Information for the Army and its Mission Partners by 2020

Lines of Effort:

- ~ Provide Signal Capabilities to the Force ~
 - ~ Enhance Cybersecurity Capabilities ~
- ~ Increase Network Throughput & Ensure Sufficient Computing Infrastructure ~
 - ~ Deliver IT Services to the Edge ~
 - ~ Strengthen Network Operations ~



Architecture, Operations, Networks and Space (AONS) Directorate



Objectives

Build network capacity required to meet increasing Warfighter demands out to 2025 and beyond through the implementation of MPLS technologies and Joint Regional Security Infrastructure. Optimize computing and storage by consolidating data centers in compliance with Federal and DoD directives. Enable enterprise Cloud computing capabilities utilizing centralized DoD and commercial Data Centers. Employ Common Core Enterprise Services, Information & Data Management and Service Management.

- LandWarNet Network Integration: Mission Command Systems; Tactical Network (Upper/Lower TI; Tactical Radio; Wireless); SATCOM; Aerial Tier; Synchronize Network Rqmts Across Mission Areas; Signal TAA & Force Management Activities; EE PEG Integrator Support
- Information Infrastructure Integration: Installation IT Services; Installation IT Infrastructure; Institutional Network Capability Sets; II PEG Integrator Support; Visual Information Program; Build Network Capacity
- Army Data Center Consolidation Plan: EXORD & FRAGOs; Application Migration Audit; Goal 1 Waiver Review
- Spectrum Management: Defend Army spectrum access (e.g. spectrum auctions); execute AR 5-12 in management of electromagnetic spectrum in Service, Joint, U.S., host-nation, and international activities to enable compliance with Statute/Federal regulations/SOFA
- Army Architecture Integration Center: Enterprise Network Arch; Technical Arch development & compliance; Functional Arch Support (NIE, Intel, Tng, etc.) ; Joint Information Environment; Information/Data Arch; Arch Program Mgt
- Synchronize/Integrate Network Portfolio - EIEMA Management, Analysis, and Modernization Planning Activities
- DAA/COOP: Army SAP Information Assurance; Certification & Accreditation of Government Sites; COOP OPLANs & Exercises



Policy & Resources

Mission

Exercise legal, fiscal, and statutory authorities to achieve near-term and strategic CIO/G-6 objectives. Policy and Resources delivers CIO-focused governance, policy, human capital development, financial planning, programming, and execution, bulk buying strategies, and portfolio management to execute and sustain LandWarNet.

Responsibilities

- **Policy**
 - Army Information Technology Policy
 - Compliance and Efficiencies
 - Strategic Alignment and Reporting
- **Enterprise Services**
 - Strategy and Portfolio
 - Plans and End User Results
- **Enterprise Licensing Strategy and Oversight**
- **IT Workforce Career Management**
 - IT/Cyber Career Field Planning
 - Training
 - Intern Program
- **IT Resourcing**
 - POM
 - IT Budget Execution
 - IT Spending Approval



Cyber Security

Cyber Security
Director

Technology &
Business Process
Division

Interoperability
& Certification
Division

Cyber Security
Programs
Division

Identity
Management
Division

Current
Operations
Division

Mission

Integrate the Efforts Across the Army Staff to Provide Policy, Oversight, and Guidance to Enable Information Dominance for the Army.

Vision

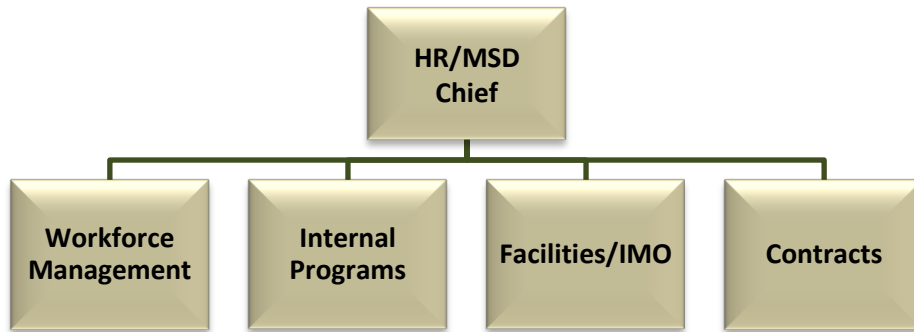
Ensure a Secure Information Environment Resistant to Known and Emerging Cyber Threats.

Responsibilities

- | | | | |
|---|---|--|--|
| <ul style="list-style-type: none"> • Develop, Update, & Review Cyber Security (CySec) Policies • Cyber Security Risk Management Governance Forum • DAA Transition /CySec Certification & Accreditation • FISMA Reporting • Cross Domain Solutions Management Office • CySec Approved Product List • CySec Self Assessment Tool/IG Interface • CySec Architecture and DMZ Implementation | <ul style="list-style-type: none"> • System of Systems Network Vulnerability Assessment Policy and Implementation • HSPD-12 (CAC/PKI) <ul style="list-style-type: none"> ▪ Policy Gaps ▪ AKO SSO ▪ SIPRNet Token • AUTO Populate the GAL • Army Registration Authority • Active Directory • Key Management Infrastructure • COMSEC | <ul style="list-style-type: none"> • Cryptographic Modernization • Provide Project Oversight on Key Initiatives for the CIO/G6 (e.g., Mobile Electronic Devices , Continuous Monitoring Capability & IT Asset Management) • CySec Education, Training, and Professional Certification <ul style="list-style-type: none"> ▪ Individual CySec Awareness Training & Certification // Training, Certification of DA CySec Workforce // CySec Awareness for Soldiers, Civilians, Families and Retirees ▪ Content for CySec Training Courseware • Strategic Communications • CySec Awareness • CySec One-Stop –Shop Web Portal | <ul style="list-style-type: none"> • NETOPS Functional Area Program Mgt • Capability Interoperability Mgt <ul style="list-style-type: none"> ▪ AIC Determination ▪ FaNS Accreditation ▪ ONS/JUONS Validation • Policy Integration & Control Mgt <ul style="list-style-type: none"> ▪ Army/Joint/Coalition Integration ▪ Certify ICTOs/CTOs ▪ Maintain Army CM of Gold Master ▪ Approve Army ISPs • Capability Integration Management <ul style="list-style-type: none"> ▪ Facilitate Integration of Agile Process & NIE ▪ Ensure Army Integration at LandWarNet/Battle Command and other Army & Joint Forums |
|---|---|--|--|



HR/Management Support



Mission

Senior Administrative Staff Advisor to the CIO for Planning, Obtaining, Processing, and Governing a broad range of Administrative, Operational, and Personnel Activities

Responsibilities

CIVILIAN PERSONNEL MGMT

Gov't Travel Card
TAPES
Awards
Training
Drug Testing
ATAAPS
Civ Coordinator
OGE 450/SF-278 Coordinator
Ethics Training
Personnel Actions (RPAs)
Rating Schemes
SETM Program Mgmt
EPAT
Hiring Panels
Furloughs
Retirements
VERA/VSIPS

CONTRACT SUPPORT

Contracts Management
Performance Work Statements (PWS)

ADMIN

Centralized Supplies
ASIB
SharePoint
Parking Pass
CIO/G-6 Conference Room
Scheduling
Town Halls/Awards
In/Out-processing
Birthday Rosters
Taskers
Official Mail & Registered Mail
Administrative Function/Alert
Roster
Key Personnel Rosters
EAC Personnel Add/Archive

FACILITIES MGMT

CIO/G-6 Key Control
Property book and accountability
Life cycle replacement
Furniture Turn-in and Transfers
Work Orders
Building Management
Office Space Management

MANPOWER

TDA
Command Plan
Manpower Survey
CIO/G-6 Org Chart
Office Symbols
CIO/G-6 Organizational Structure
ASIP (Army Stationing and Installation Plan)
Reporting

SPECIAL PROGRAMS

FOIA
AAA Audits
GAO Unimplemented Recommendations
Management Control Program
Telework Coordinator
CIO/G-6 Communicator

MILITARY PERSONNEL MGMT

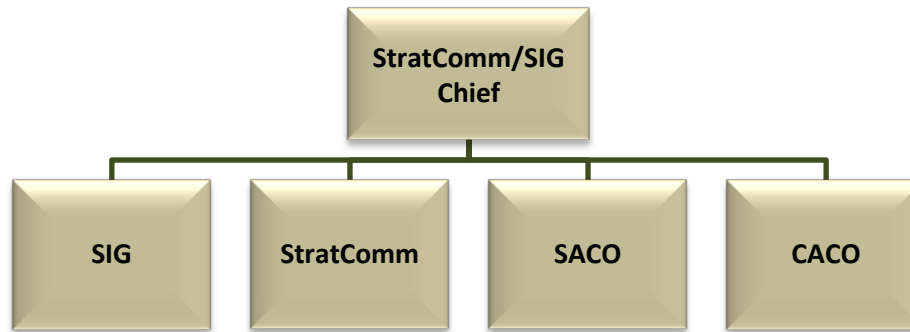
Awards
OERs/NCOERs
Rating Schemes
AAA 162 – Personnel Status Report
PAIs
APFT
Finance Report
Military Training
Promotion Selection Boards
Command Selection Boards
In/Out Processing
Casualty Notification
ADPAAS Contact Information

IMO

VTC
IT Life cycle replacement
Town Halls/VTC
SIPR Tokens
Network Incident Reporting
Hardware & Software Support
Network Access



StratComm/SIG



Mission

Provide Executive-level support and synchronized messaging

Responsibilities

SIG

- Executive Briefs
- Senior Leader Updates
- Executive VTC Support
- SharePoint Site
- Executive Travel Support

StratComm

- Public Affairs
- Interview Coordination
- Print Media
- Social Media (Facebook, Twitter, Leader Blog)
- Public Web Site
- Graphics Support
- Semaphore
- Star Notes
- Editing

SACO

- Tasker Management
- Executive Correspondence
- Editing
- SharePoint SACO Portal

CACO

- Congressional Engagements
- PSM Engagements
- Conference Management



Stay Connected



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[Army CIO/G-6 Website](http://www.armycio-g6.mil)



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CIOG6.Army.mil